



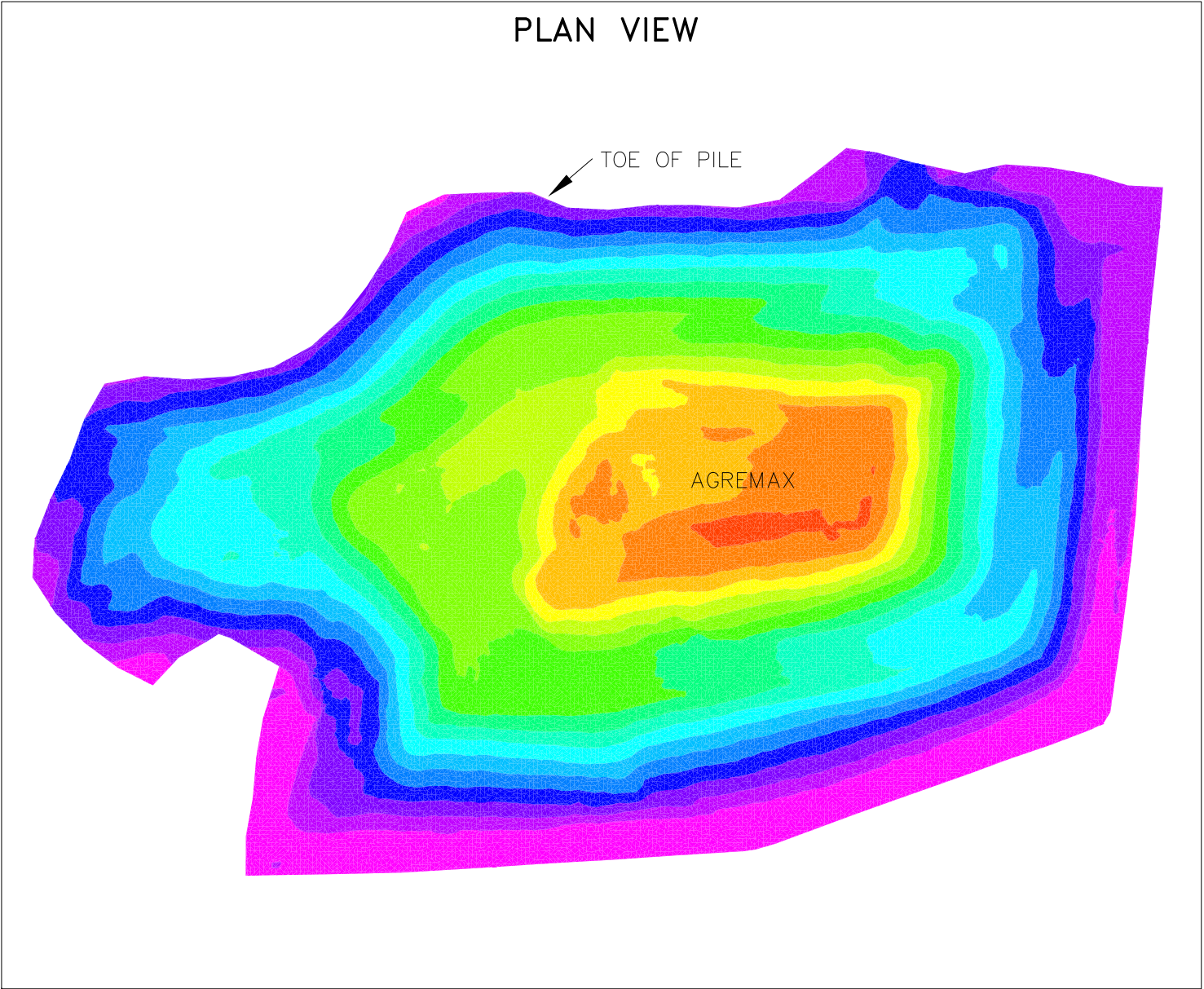
MAP SHOWING A SPECIFIC PURPOSE SURVEY:

LASER SCAN SURVEY OF AGREMAX PILE
LOCATED AT AES PUERTO RICO
GUAYAMA, PUERTO RICO

PERFORMED FOR:
AES PUERTO RICO



AGREMAX PILE



VOLUME SUMMARY

AGREMAX PILE		
TOTAL QUANTITY	—	593,378 CUBIC YARDS
TOTAL QUANTITY	—	544,721 TONS
* Based on 68lbs per cubic foot bulk density *		

ELEVATION TABLE	
COLOR	ELEVATION RANGE
Red	135.50 144.00
Orange	127.00 135.50
Yellow	118.50 127.00
Light Green	110.00 118.50
Green	101.50 110.00
Dark Green	93.00 101.50
Teal	84.50 93.00
Cyan	76.00 84.50
Blue	67.50 76.00
Light Blue	59.00 67.50
Dark Blue	50.50 59.00
Very Dark Blue	42.00 50.50
Purple	33.50 42.00
Dark Purple	25.00 33.50
Black	16.50 25.00
White	8.00 16.50

NOTES:

1. THE SPECIFIC PURPOSE OF THIS SURVEY IS TO COMPUTE THE VOLUME OF THE ASH PILE FOR INVENTORY PURPOSES. NO DENSITY OR WATER CONTENT ANALYSIS WERE PROVIDED BY THIS SURVEY. THIS SURVEY WAS PERFORMED USING A DJI PHANTOM DRONE PROCESSED IN AGISOFT. VOLUMES WERE COMPUTED USING THE GRID VOLUME METHOD WITH THE GRID SPACING SET AT 1 FOOT USING AUTODESK LAND DEVELOPMENT DESKTOP 2009.
2. THE REFERENCE PLANE USED FOR THE QUANTITY CALCULATIONS IS THE OUTSIDE TOE OF THE ASH PILE, WHICH HAS BEEN ESTABLISHED BY USING A TRIMBLE R8 (RTK) SYSTEM.
3. HORIZONTAL POSITIONING IS BASED ON A NAIL LOCATED UNDER THE AES RANGE TOWER, BEING N.694150.28, E.752376.77, AND IS REFERENCED TO THE LAMBERT PROJECTION FOR PUERTO RICO AND THE VIRGIN ISLANDS, NORTH AMERICAN DATUM OF 1983 (NAD83).
4. VERTICAL POSITIONING IS BASED ON A NAIL LOCATED UNDER THE AES RANGE TOWER, HAVING AN ELEVATION OF 9.068 FEET AND IS REFERENCED TO MEAN LOW WATER.
5. QUANTITY REPORTED REFLECTS PRODUCT ON SITE ON 8:00AM THRU 4:00PM, DECEMBER 04, 2018.



AGREMAX PILE

ARC SURVEYING & MAPPING, INC.

5202 SAN JUAN AVENUE,
JACKSONVILLE, FLORIDA 32210
PHONE: 904/384-8377
LICENSED BUSINESS NO. 6487

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